

FOLIO

University of Alberta

28 April 1988

New Report Highlights Arts Research, Creativity

The Faculty of Arts has released *Research and Creative Work*, a comprehensive report on the work of more than 400 of its members.

"Even a glance at the document," comments T.L. Powrie (Acting Dean) "reveals an impressive record of research . . . and other contributions to scholarship and culture, both locally and internationally."

The 140-page report "provides for the first time a comprehensive overview of research and creative activities in the Faculty between 1984 and 1987," comments out-going Dean Terry White in his preface.

The project has been guided through its stages by the Faculty's research committee: E.D. Blodgett, D. Fishwick, C. Lewis, D. Lubell and (chair) G.S. Lowe, with data compiled by Stella Chooi and Judith Abbott.□

Donner Foundation Grants \$92,000 for Study of Future Governments of Yukon, NWT

The Donner Canadian Foundation has given \$92,000 to a University of Alberta-based group studying the future governments of the Yukon and the Northwest Territories.

"The Consortium for Devolution Research is studying a key element of this development—the devolution of power from the Government of Canada to the governments of Yukon and the NWT," says Gurston Dacks (Political Science/Boreal Institute), coordinator for the consortium, which includes university members from

Carleton, St. Francis Xavier, Manitoba and Lakehead.

CDR will also be looking at the connections between devolution and other processes of northern constitutional development, says Dr. Dacks, including division and creation of new forms of government in the NWT, aboriginal claims and aboriginal self-government.

CDR's one-year research program includes workshops with government and aboriginal group representatives involved in the

devolution process, case studies and print, audio and video materials "designed to inform northerners of the results of CDR research."

The \$92,000 grant comes from a foundation established in 1950, one of the largest in Canada operating on a national scale. At present, the Donner Canadian Foundation supports research and other programs in four main fields: law reform and corrections, international affairs, oceans and inland waters, and Canada's north.□

University Given 'Transportation Timeline'

Canadian National (CN) has donated its exhibit from the CN Pavilion at Expo '86 to the University of Alberta.

"Transportation Timeline" was created to help celebrate CN's 150 years of service to Canada and Canadians.

"Transportation Timeline" is a 30-metre long historic depiction of the history of transportation in Canada. It consists of some 1,100 images with text in both English and French. It is arranged in two parallel horizontal streams, one dealing with railway and telecommunications history, and the other with contemporary Canadian and world history.

The material is set out in 10-year blocks with a vertical column of photographs for each year (a total of 186 columns). In addition to technical and educational material, arts and entertainment, interesting inventions and social development are featured.

"Transportation Timeline" was the work of historians Kathryn Bindon (Concordia University, Montreal) and Kenneth S. Mackenzie (CN Archivist, Montreal). It was designed by John Gallop of Gallop/McLean, Vancouver.

University of Alberta



CN and the University invite educational institutions and the public to view the exhibit in the Rutherford Galleria.□

Ross Walker, senior vice-president, Canadian National Western Canada, and Myer Horowitz tour "Transportation Timeline." □

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28 April 1988

Celebration Night for Andrew Stewart Prize Winners

Twenty outstanding graduate student researchers were recognized, congratulated and rewarded at the third Andrew Stewart Graduate Prize celebration dinner (now becoming a tradition) in the Faculty Club, 21 April.

It was a multicultural, multidisciplinary party. Ten prize winners came from outside Canada, and seventeen Departments were represented, from Anthropology to Zoology.

The Andrew Stewart Graduate Prizes, established three years ago, recognize academic excellence and creative research in senior graduate students, and are intended to "thank them for their contributions to this University, and tell them, 'You have done a fine job. We expect great things from you,'" said special guest Myer Horowitz at the start of the evening.

Named in honor of Andrew Stewart, president of the University when the Faculty of Graduate Studies and Research was established, each prize is worth \$2,500 and the winners are free to spend it whenever and on whatever they like. The prizes are funded through donations to the University that have not been earmarked by the donor for a particular purpose. "And I am pleasantly surprised how many donors chose *not* to earmark their gifts," President Horowitz added.

After dinner, the prizewinners (not all of them were present) received framed certificates and each gave a two-minute talk on their research to a general audience, of spouses, partners, supervisors, selection committee members, and guests.

"And most of what they said was understandable to most of us. That's the test of scholarship," said proud host Fu-Shiang Chia, Dean of Graduate Studies and Research, at the conclusion of the evening.

And the winners (selected from 145 candidates) were:

• Jian Chen (Chemistry) was born in China, studied at Hangzhou University, China, and began his doctoral studies here two years ago, investigating "how compounds A and B give the compound C when they are mixed together."

• Dirk de Boer (Geography), born in the Netherlands, received his first two degrees from the University of Amsterdam, and is in the third year of his PhD program, studying the flows of matter and energy in the landscape.

• Rajeev Deshmukh (Chemical Engineering) came to the

University of Alberta after earning his undergraduate degree from the Indian Institute of Technology, and is now in his third PhD year, looking at aspects of natural gas.

• Michael Duke (Geology), born in Belfast, Northern Ireland, studied at the University of Hull (England) before entering graduate studies at our University, where he is in his third PhD year, "working on some of the best-studied rocks in the world—three-billion-year-old rocks in West Greenland."

• William Garrett-Petts (English), Alberta-born, and in his second PhD year, earned his bachelor's degree from the University of Victoria, and his master's from UBC. (He found it "disappointing" that the description of his thesis on the process on reading "could be boiled down to fit on one 5"x7" card.")

• Neil Johnson (Educational Administration), born in Australia, has a bachelor's from the Swinburne Institute of Technology and a master's from the University of New England, and is in his third PhD year, looking at job satisfaction, elementary school principals, and school effectiveness.

• Tse-Men Koon-Tit-Ming (Computing Science), born in Mauritius, came to our University in 1984 with a baccalaureate from York University. He completed his master's in 1986 and is now in his third PhD year. His thesis is titled, "Towards a reliable distributed database operating system."

• Richard Krentz (Chemistry), Alberta-born, earned his bachelor's at Simon Fraser University, immediately entered the PhD program at the U of A, and is now in his fourth year studying carbon hydrogen bond activation—"a difficult subject to explain to a general audience," he said.

• Yang Kuang (Mathematics), born in China, received his bachelor's degree from the University of Science and Technology in China and, at age 22, is now in his third PhD year at the U of A. In Mr. Kuang's absence, his supervisor, Herbert Freedman, accepted the prize, speaking in glowing terms of Kuang's remarkable achievements in finding swift solutions to problems that great mathematicians had not been able to solve.

• Suzanne MacDonald (Psychology), Winnipeg-born, earned her earlier degrees at our University and is currently in her second PhD year, investigating the basic mechanisms of learning and memory.

• Gerard Magennis (Slavic and East European Studies), born in Belfast, Northern Ireland, received his first two degrees from Queen's University, Belfast, and is in his third PhD year, studying the poetry of VI Ivanov.

• Tolo Mollel (Drama and Comparative Literature), story teller, actor and author from Tanzania, received his bachelor's from the University of Dar es Salaam, his master's from the U of A, and is in his second PhD year, studying the theatrical dimension of the African oral epic.

• Shawn Ramer (Chemistry), was born in Alberta, received a bachelor's from the Eastern Mennonite College, Virginia, is currently in his second PhD year, and holds an Alberta Heritage Foundation for Medical Research Fellowship at Harvard Medical School.

• Linda Reutter (Sociology), an Albertan, earned two bachelor's degrees at our University, has a master's from the University of Colorado, and is in her second PhD year, studying professional

healthcare workers' attitudes to AIDS.

• Henry Schulz (Educational Psychology), born in Southern Alberta, earned his first two degrees from the University of Calgary, and is now in his second PhD year. His thesis topic is "Upgrading classroom assessment practices."

• Becky Sjare (Zoology), has a bachelor's from our University, a master's from McGill, and in her second PhD year is studying the reproductive ecology of Atlantic walruses.

• Deborah Skaret (Educational Psychology), was born in Alberta, gained her first degree from the U of A, her master's from the University of Oregon, and is in her second PhD year. Her thesis will look at "The role of intuition in the accomplishments of eminent Canadian women".

• Douglas Stenton (Anthropology), Ontario-born, earned a bachelor's from the University of Windsor, a master's from Trent, and is in his fifth PhD year, studying neo-Eskimo coastal-marine hunters

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Canada's Ambassador to UN Giving First Grant Notley Lecture

Stephen Lewis, Canada's Ambassador and Permanent Representative of Canada to the United Nations, will present the inaugural Grant Notley Lecture on Friday, 6 May, at 8 p.m. in Bernard Snell Hall, Mackenzie Health Sciences Centre.

Mr. Lewis was named Canada's Ambassador to the UN in October 1984. In May of 1986, during the UN Special Session on Africa, he chaired the committee which drafted the five-year UN program for African Economic Recovery. In September of that year, the Secretary-General of the UN appointed Mr. Lewis as his Special Advisor on Africa to aid in "the mobilization of the international community".

Mr. Lewis's affiliation with the New Democratic Party (NDP) dates back to the early '60s when, at the age of 25, he was elected to the riding of Scarborough West, becoming one of the youngest members ever to sit in the Ontario Legislature. Mr. Lewis was re-elected on four successive occasions and in 1970 was chosen the provincial leader of the NDP.

He proceeded to lead the party to Official Opposition status after the 1975 election. He stepped down from the leadership two years later and resigned his seat in November 1978.

Mr. Lewis took up broadcasting and writing, and won several national awards, including the Gordon Sinclair ACTRA Award for "outspoken opinion and integrity" in broadcasting, and a Human Rights Award for his CBC radio documentaries on the "Holocaust".

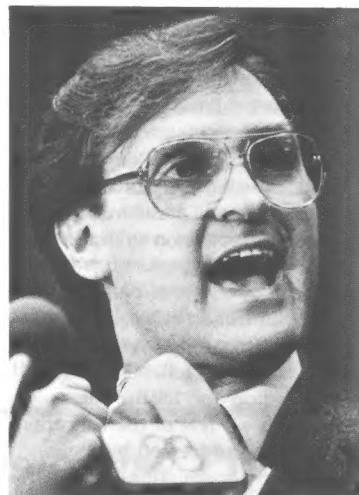
Stewart Scholars

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of the Northwest Territories.

• Margaret Taylor (Physical Education and Sport Studies) was born in Hamilton, received her bachelor's degree from the University of Western Ontario, and completed her master's at our University. Now in her fifth PhD year, her thesis subject is "Expert/novice differences in the declarative knowledge of jazz dancers".

Io Umezawa (Physics), born in Tokyo, earned his first two degrees from the University of Alberta, began his PhD in 1986, and at present is studying aspects of superconductors at Argonne National Laboratory, Illinois, for his thesis topic, "High Tc superconductivity in single crystals". □



Stephen Lewis

"Theme in Literature and Film" (these were subsequently published in book form).

He was also a prominent arbitrator in the labor relations field.

Mr. Lewis received the Special Human Rights Award from the League for Human Rights of B'Nai Brith Canada in 1986 "in recognition of his dedication and contribution to the cause of human rights" and in 1987, the Canadian Council of Christians and Jews presented him with the prestigious Human Relations Award "for his outstanding contribution to understanding and respect among Canadians".

The following universities have awarded honorary degrees to Mr.

Lewis: McMaster, York, Concordia, McGill, New Brunswick and Saskatchewan. He was also made a Fellow of Ryerson Polytechnical Institute.

Grant Notley was Leader of the Alberta New Democrats before his untimely death in October 1985. A fund was established at the University of Alberta as a permanent memorial to him. The fund will support annual events such as the Grant Notley Lecture and a Grant Notley Post-doctoral Fellowship in the Faculty of Arts. Donations to the fund are welcome and should be made payable to the Grant Notley Memorial Fund, Development Office, 450 Athabasca Hall, University of Alberta, Edmonton, Alberta T6G 2E8. □

Esso Pumps Dollars Into U of A Research Projects

The University of Alberta leads the 26 Canadian universities awarded research grants by Esso Resources Canada Ltd. under the auspices of Imperial Oil.

Of the 88 grants released by the firm's research department in Calgary, 13 were directed to our University.

"The University of Alberta is far and away the largest winner of grants and grant renewals," Wayne Yared, Esso Resources' technology transfer manager, commented at a luncheon (21 April) at University House.

(Eight of the grants are renewals, and two are new grants. In addition, Esso Petroleum released two new grants and Esso Chemicals released one new grant.)

Dean of the Faculty of Science, John McDonald, commented on the grants, "I'm thankful but not surprised because we think this type of research is very important at the University of Alberta. It's important for us to feel that Esso has confidence in us."

Dr. McDonald's counterpart in Engineering, Fred Otto, said, "We're very anxious to develop interaction with industry and this helps in that regard." Mr. Yared and H.Y. (Hing) Lo, research advisor with Esso Resources, made it clear that if the firm can supply samples and/or obtain permits to do research in certain areas, "contact us and we'll do what we can to help."

Imperial Oil funding to Canadian universities totals \$753,511 in 1988. Researchers whose projects



Photo/U of A/OPA

John McDonald, Nancy Kerr, Hing Lo, Dave Sego, Don Bellow, Wayne Yared, Don Scott, Ernest Kanasewich, Tom Moslow, Fred Otto, Pete Kershaw and Walter Jones in the backyard of University House.

merited renewal grants are:

- Don Bellow (Mechanical Engineering), sucker rod development;
- Walter Jones (Physics), Western Canada sedimentary basin;
- Ernest Kanasewich (Physics), analysis of Cold Lake seismic tomographic studies;
- Pete Kershaw (Geography), pipeline revegetation programs;
- Stuart Pemberton (Geology), ichnology and depositional history, Viking formation;
- Franklin Schwartz (Geology), nonaqueous phase petroleum products in saturated zone;
- Dave Sego (Civil Engineering), hydraulic fills;
- Otto Strausz (Chemistry), Cold Lake heavy crude oils.

New grant holders are:

- Nancy Kerr (Clothing and Textiles) and Don Scott (Civil Engineering), laboratory evaluation of geotextile filters;
- Tom Moslow (Geology), facies of the Triassic in Alberta and B.C.

Kenneth Anderson (Civil Engineering), engineered asphalts, and Sirish Shah (Chemical Engineering), adaptive control, have Esso Petroleum grants; John Kinnally (Animal Science), ammoniation of barley grain, holds an Esso Chemicals grant.

Each grant is for a maximum of \$10,000 but may be increased for exceptional projects. They are awarded to full-time faculty members who will direct students in carrying out the research. □

Alberta Hosts World Congress on Free Time, Culture and Society

The bow cannot always stand bent, nor can human frailty subsist without some lawful recreation. —Miguel de Cervantes (1547-1616)

A distinguishing feature of the 1980s is the drastic change in our attitude toward exercise and fitness. Adults are taking health more seriously and exercising more often. With these trends taking place in a great many societies, the development of policies and the designing of new programs rank high in the scheme of things.

From 16 to 22 May, at Chateau Lake Louise, the Congress on Free Time, Culture and Society will take place. The Congress focuses on the important role leisure and recreation play in our lives. Some

300 leisure and recreation professionals from around the world will share their views and ideas. One of the primary goals of the Congress is to encourage the exchange of information between the researcher and the practitioner.

The Department of Recreation and Leisure Studies and the World Leisure and Recreation Association (WLRA) are sponsoring the Congress. Based in Ottawa, WLRA is a non-profit international organization which stimulates leisure- and recreation-oriented research.

The Congress will bring together four international commissions—Management, Education, Information, and Research—for the first time. Each

commission will structure its meetings around the theme of "Free Time, Culture and Society" and how it relates to that particular commission.

The Management Commission will discuss such topics as the establishment of standards for parks and recreation systems, and determining the parks and recreational needs of people.

Societal trends in leisure education, ranging from recreation and leisure as a rehabilitation tool, to recreation and leisure for seniors, are a few of the concerns that will be addressed by the Education Commission.

The Information Commission will examine recent developments in information technology as they

relate to recreation and leisure. Issues such as leisure and lifestyles, life span and developmental approaches to free time research will be examined by the Research Commission.

Peter Heron (Recreation and Leisure Studies) chairs the organizing committee for the Congress; Congress Coordinator is Alan Mason. □

Edmonton Consular Corps Awards Two Scholarships

There's always room for improvement in international relations and two University of Alberta students are taking up the challenge.

On 21 April, at a reception at University House, the Edmonton Consular Corps presented scholarships to Anita Mathur and Linda Wimmer. Each scholarship is worth \$1,000, with an additional amount of up to \$1,000 to each recipient for travel.

Mathur and Wimmer won out over 10 other senior undergraduate and graduate students in History, Law and Political Science. Each candidate has submitted a research paper pertaining to "the study of any aspect of the relationships between nations, and the conduct of these relations, and the organizations established by the international community as a means to facilitate these relations."

Mathur, a PhD student in Political Science, wrote on "Emergence of Multinationals from Developing Countries - the Role of the UN". Wimmer, a third-year student in a four-year honors program in History, delved into "UNHCR: Current Problems and Future Directions".

The scholarships are made possible by the Edmonton Consular Endowment Fund, established the University in 1980. The Fund owes its start to money generated by the Edmonton Consular Ball held to mark the province's 75th anniversary. Each year since then, the Consular Corps has given proceeds from the Ball to the University for the Endowment Fund. □

Successful Final PhD Oral Examinations

Name	Department	Final Thesis Title
Joel Ramsey Christie	Sociology	"Fiscal Crisis and the Threat of Strategic Change in a Human Service Organization: A Case Study of the Impact of Managerial Decisions in a Community Living Project for the Severely Mentally and Physically Disabled"
Robert Nelson Gosselin	Physics	"Atomic Lifetime Measurements Using the Beam-laser Technique"
Noel Paul Gour	Educational Administration	"School Authorities' Perceptions of Student and Parent Rights"
Loretta Rose Hallgren	Sociology	"The Role of Formal and Informal Social Support in Advanced Cancer Patient Well-Being"
Neil Andrew Johnson	Educational Administration	"Perceptions of Effectiveness and Principals' Job Satisfaction in Elementary Schools"
Bonnie K. Kirkpatrick	Animal Science	"Evaluation of Nutritional Quality of Protein Sources for Ruminants"
Sharon Marie McGuire	Educational Administration	"Academics in Distance Education: A Socialization Perspective"
Susan D. Moisey	Educational Psychology	"The Effect of Test Frequency and Feedback on Achievement and Retention in a Computer-Based Training Program"
Zvezdana Pesic	Plant Science	"Pollen and Seed Transmission of Alfalfa Mosaic Virus in Alfalfa"
Glennis Stephenson	English	"Elizabeth Barrett Browning and the Poetry of Love"
Marilyn Darlene Steven	Educational Administration	"Suspension and Termination of Employment Among Nurses in Canada"
Elisabeth Maria Ten Vergert	Sociology	"A Survey of Scaling Methods for the Measurement of Attitudes: A Comparison of American and West German Attitudes Towards Abortion"
On Wong	Physics	"Field Theoretical Approach to Metamagnetic Superconductivity and Solitons"

Teaching Not as Easy as it Looks for Rutherford Award Winner

Dr. Rasmussen, on study leave in casual attire, relaxes in the fourth floor faculty lounge and prepares to talk about teaching.

Right away there's a surprise.

"I'm not a natural teacher," admits the 18-year member of the Department of Organizational Analysis and 1988 Rutherford Award recipient for Excellence in Undergraduate Teaching.

"Stressed out" is an affliction that can hit a teacher as readily as it can a student. "I feel drained

many times after a one- or two-hour class, and find it hard to pump up and go on to the next one," Dr. Rasmussen says.

From a personal perspective, he continues, "it's a tough job for all of us to be marching up there." At one point, talking about grade school teachers, he uses the words "40-hour (per week) ordeal."

Yet, like the stage actor who fidgets and becomes ashen-faced while waiting in the wings and then gives a deft performance, Dr.

Rasmussen can walk through the door and create an environment in which students want to learn, participate in intellectual discussions and develop analytical skills.

At the outset, he demonstrates to students why *this* course is going to be exciting. His goal in the first lecture is to have every student talking about the subject matter. Quick (one minute or 30-second check-ins) are used. One student asks another what he/she thinks about a particular idea, views are exchanged, and a class discussion ensues.

"I want them thinking, not sitting back taking notes," he says.

In his graduate student days at Berkeley, Ray Rasmussen was advised to read an article with a particular question in mind, rather than read it to try to learn everything in it. In other words, students' reading should be geared toward problem solving. He tries to pass that advice on to his students although he often sees one or more sections of a textbook in which all but a few lines are decked out in yellow. He follows a little chiding along the lines of, "What are you going to do with all that yellow stuff?" with a suggestion that, "Maybe you're better off to study the non-yellow material."

Text Shunned

In a Rasmussen class the text often gets short shrift. "They (books) have gotten fatter and fatter; there's now a 1,200-page introductory text in Organizational Analysis, and I would kill students' interest if I followed the text faithfully." (He cares not a whit for the survey course, feeling that it has become a rote exercise that is unfair to both students and instructors.) Teaching, he believes wholeheartedly, is a matter of getting away from the basic contents of the text and concentrating on instilling a sense of excitement in students. If a little embellishment helps achieve this, that's fine.

The science of the discipline should also receive more attention. Dr. Rasmussen suggests taking five major topics and spending two or three weeks on each. This time would include "second guessing some of these guys (researchers) and their methods."

Dr. Rasmussen's teaching methods have resulted in such accolades as: "I can only identify a handful of professors that had such an interest and commitment. He has greatly exceeded the normal call of duty in teaching his classes."

"Dr. Rasmussen," another student states, "created a situation where the student *wanted* to learn, as opposed to the typical situation where the student is *forced* to learn."

A colleague in the department finds himself in an enviable position because he teaches two of the advanced courses in Dr. Rasmussen's area. "Most of my students become interested in my courses based on experiences in his courses."

Such comment is appreciated by Dr. Rasmussen, but he prefers not to be a nice guy socializer with students. He encourages openness in class but that's essentially the end of it. "Students don't need us as buddies, I think."

Off to McMaster

In June, Dr. Rasmussen will be one of the main presenters at a three-day conference on teaching at McMaster University. His views on the teacher's "real mission" in the classroom will be presented during a three-hour seminar before 200 teachers in a large auditorium, parameters which add up to "a maximum handicap." Actually, his session is a demonstration of how he runs an Organizational Analysis class. If he's successful, perhaps they will be persuaded to try some of the things that Dr. Rasmussen has found work for him. (He doesn't guard trade secrets jealously, as witness his involvement in peer consultation within the Faculty of Business and the University at large. Also, he regularly publishes and presents at academic conferences original papers on teaching.)

University, he stresses, must not be an extension of high school, that is, a place where facts are regurgitated and memorization is all.

"When there's too much drill and practice, romance is non-existent. We're doing whole years of drills with no romantic interludes; drill and romance should follow one after the other."

Last year, Dr. Rasmussen received the 3M Teaching Fellowship, an annual award that recognizes 10 outstanding Canadian university teachers.

Dr. Rasmussen has made an impression in yet another way. Dean Roger Smith notes that, "During the past year of fund raising, at least one very significant gift to the University was partially due to an appreciation for the quality of teaching provided by Dr. Rasmussen ten years earlier." □

'Adult Lego' Fixes Noisy Pipes

When ductwork is computer-modelled and tested, irritating noises and dangerous vibrations can be designed out of the system.

Tony Craggs, a mechanical engineer at the University of Alberta, has developed a computer modelling technique that takes the guesswork out of designing noise-free ductwork for heating and ventilating systems.

Noise transmitted through miles of ductwork in a building can be a real problem. Rumblings and vibrations from air and water circulating through pipes are disturbing. They may also be dangerous. The pulsations created can be powerful enough to destroy the structure.

Up to now, the only way to

improve a noisy system has been to "eyeball the situation, make guesses from past experience, and hope your changes will make the situation better not worse," says Dr. Craggs.

The computer modelling techniques developed in his lab will change all that.

Dr. Craggs and his team of researchers "consider the mathematics of blocks of air," then rearrange these "blocks" on a computer to design a ducting system they think will work.

"It's a bit like adult Lego," he says. "We can assemble these blocks of air on the computer in a three-dimensional way to form a room, or the interior of a car, or in a chainlink fashion like a duct."

The computer model simulates the system in operation. Adjustments are made to the design until a finely-tuned system is arrived at. Then the data are used to construct a three-dimensional scale model on the workbench.

Existing situations can also be computer modelled, and modified and tested on the computer before alterations are made to the physical installation.

"All we are doing at this point is playing with numbers," says Craggs. "It's a cheap way to find a solution. Our computer model is now so accurate, it's almost embarrassing."

Modelling is purposely done on an ordinary, small computer so that the work can eventually be taken into the small engineering practice.

Dr. Craggs' research is funded by the Natural Sciences and Engineering Research Council of Canada. □

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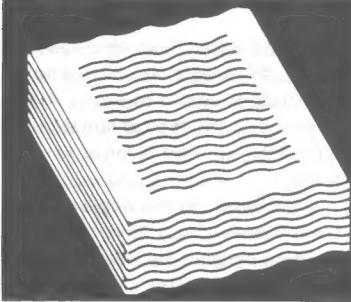
'Your Personal Safety on Campus' is Cornerstone of 'Campus Watch'

Campus Watch is a new University crime prevention program designed to encourage individuals to participate in "Your Personal Safety on Campus". Pamphlets which discuss sexual assault, theft and vandalism have been distributed.

Did you know that 40 acts of vandalism costing \$6,500 occurred on campus during January 1988? That 400 incidents of theft of personal property were reported during 1987?

Call (432-5252) or stop by the Campus Security Office at 114 Street and 87 Avenue for a copy of the Campus Watch pamphlet, and help reduce the number of incidents. □

Currents



Desktop Publishing Meeting

A Ventura Desktop Publishing User's Group meeting will be held on Tuesday, 10 May, at 1:30 p.m. in 103R General Services Building. Anyone currently using or those considering using Ventura are welcome to attend. Contact Fern Ness, University Computing Systems, at 432-2462, or by e-mail FNESS@UALTAVM for further information.

Industrial Applications of Biotechnology

A two-day (12 and 13 May) short course on "Industrial Applications of Biotechnology" is being sponsored by the Edmonton Section of the Chemical Institute of Canada. The course will take place at the Alberta Research Council auditorium, 250 Karl Clark Road. Ten speakers representing industry, university, government and the pharmaceutical industry will contribute to the course.

The cost is \$150 for CIC or ECAT (Edmonton Council for Advanced Technology) members and \$200 for non-members with an early registration discount of \$25 for forms received before 4 May. The cost to students is \$25. The registration fee, which will only be accepted in advance of the course, includes admission to all talks, refreshments during the lectures and a supper on the evening of 13 May. For more information, call Nancy Cyr at 450-5417 or Pam Fowler at 468-6060.

Spring/Summer Library Skills Program

To assist instructors in Spring/Summer Sessions, the Library will offer Library Skills classes for students in May and again in July. Two types of sessions have been planned. The first will consist of a lecture which will explain the organization and services of the Library. The second session will give students the opportunity to learn to use the Library's online catalogue by using a "hands on" approach.

Brochures describing the sessions as well as detailing time and location can be found at Information Desks throughout the Library system. Information can also be obtained from the Information and Reserve Centre at 432-4174.

H.E. Bell Scholarship

A scholarship in the name of H.E. Bell has been established in the Faculty of Medicine. Harold Bell was director of the Division of Medical Laboratory Science for 22 years. Donations should be sent to Dr. R.A. Stinson, B-117 Clinical Sciences Building.

Faculty Women's Club Elects New Members

At its annual general meeting on 13 April, the Faculty Women's Club (FWC) elected its slate of officers for 1988-89. Newly elected members include Rhoda Shein (Science); Patti Meekison (Administration); Karen Gall (Law); and Joyce McQuarrie (Pharmacy).

Board members who will serve for another year are: Lorraine McDonald, president; Joan Mis, vice-president; Frances Siemens, treasurer (Arts); Pamela Gerard, newsletter editor (Engineering); Nora Forster, honorary and life members; Mary Holdgrafer, Chair, social committee (Rehabilitation Medicine); Betty Gibbins (Business); Gurjit Singh, ticket chair, (Physical Education); and Lyndall Young, publicity, (Agriculture and Forestry). Barbara Horowitz is honorary president.

The FWC was established in 1933 when President Wallace and his wife felt there was a need for faculty wives to meet and know one another socially. Since then,

the objective of the FWC, whose membership exceeds 260, remains a social one. Several functions are held each year for the membership (which is open to all academic women staff and wives of academic staff) including luncheons with guest speakers and bus trips to interesting locales, such as the Tyrrell Museum and the Devonian Botanic Garden.

The focus of FWC activities is the thirty or so special interest groups whose interests range from sketching to flower arranging and book reviews to French conversation. One interest group that produced tangible results is the Campus History Group. It undertook a research project on the history of the FWC and recently completed a research paper on University women in sport. The result of this latter project, "We Can Achieve", is based primarily on taped interviews and will be published in the near future.

The final activity for this year

takes place on 18 May; Barbara Horowitz will host the Honorary and Life Members' Coffee Party.

Anyone interested in learning more about the FWC is invited to telephone Lyndall Young at 438-1626. □

Talks

Soil Science

28 April, 12:30 p.m. Charles Maulé, PhD candidate, "The Effects of Fall Tillage on Snowmelt Infiltration." 2-36 Earth Sciences Building.

3 May, 12:30 p.m. Ruth Hall, MSc candidate, "Effects of Chromium Loading on Earthworm Activity in an Amended Soil." 2-36 Earth Sciences Building.

Mathematics

28 April, 2 p.m. L. Hsiao, Academia Sinica, Beijing, "Stability Effect of Dissipation." 657 CAB.

H.E. Gunning Lectures

William Klemperer, professor of chemistry, Harvard University, will deliver the following lectures:

2 May. "The Formation of Molecules in Interstellar Space."

3 May. "Molecular Beam Spectroscopy: A Survey of Molecules and Methods."

4 May. "Spectroscopy and Structure of Weakly Bonded Complexes."

5 May. "Structural Characterization of Hydrogen Bonded Complexes." All lectures will begin at 11 a.m., V-107 Physics Building.

Canadian Institute for Nordic Studies

5 May, noon. Øystein Steinlien, Sami Studies Programme, University of Tromsø, "Laestadianism as a Fundamentalist Movement in Sami Society." 14-6 Tory Building.

Economics

6 May, 3 p.m. Mukesh Eswaran, University of British Columbia, "Credit as Insurance in Agrarian Economies." 8-22 Tory Building.

Fraser W. Birss Memorial Lectures

9 May, 11 a.m. Dennis R. Salahub, Département de Chimie, Université de Montréal, "The Challenge of Surfaces and Clusters." V-107 Physics Building.

10 May, 11 a.m. Professor Salahub, "Electron Correlation in Transition Metal Systems." V-107 Physics Building.

11 May, 11 a.m. Professor Salahub, "Dynamics and Catalysis: A Look to the Future." V-107 Physics Building.

Nursing

9 May, 4 p.m. Gail Ewing, visiting post-doctoral fellow, (formerly: Nursing Research Unit, University of Edinburgh), "Self-Care Preparation of Stoma Patients." 2F1.04 Mackenzie Health Sciences Centre.

Genetics

12 May, 4 p.m. Janet Rossant, Department of Medical Genetics, University of Toronto, Mt. Sinai Research Institute, "Cell Lineage Analysis in the Early Embryo." 17 Biological Sciences Centre.

The Arts

Exhibitions

FAB Gallery

Until 8 May. "Davida Kidd—Printmaking."

Ring House Gallery

Until 29 May. "The Art of Japanese Packages."

Bruce Peel Special Collections Library

Until 30 June. "Goin' to California—the Gold Rush of '48 in first editions and illustrations." B-7 Rutherford South.

SUB Theatre

28 April, 5:30 p.m. The Edmonton Women's Shelter—"Family Variety Show." 426-2525.
29 April, 2 p.m. U of A Hospital School of Nursing 1988 Graduation Ceremony. 432-6728.
7 May, 8 p.m. "La Banda Tepeuani"—a musical group from El Salvador. 1593, 433-6570.

Music

28 April, 8 p.m. Jose Buonocorso, candidate for MMus (Composition). Convocation Hall.

Studio Theatre

5 to 14 May, 8 p.m. "Waiting for the Parade." 432-2495, 432-2271.

Théâtre Francais d'Edmonton

6,7,13,14 May, 8 p.m., and 15 May, 3 p.m. "La Perruche et Le Poulet." 469-0829.

Positions

The University of Alberta is an equal opportunity employer.

In accordance with Canadian Immigration requirements, these advertisements are directed to Canadian citizens and permanent residents.

Academic

Reference Librarian, Law Library

University of Alberta Library invites applications for the position of Reference Librarian, located in the J.A. Weir Memorial Law Library. Reporting to the Law Librarian, the incumbent will provide a full range of reference services, including on-line searching and bibliographic instruction, as well as collection development assignments.

The successful candidate will have a degree in Library Science and a thorough understanding of legal

concepts and research methods. Previous experience in a law library would be an asset.

The position will be filled at the Librarian 1 or 2 level with a current salary range of \$26,564 to \$41,988 depending on qualifications. The position is available 1 July 1988. Candidates should send a *curriculum vitae*, transcripts of academic record and the names of three references by 31 May 1988 to: Mr. J. Teskey, Personnel Officer, Cameron Library, University of Alberta, Edmonton, Alberta T6G 2J8.

Assistant Curriculum Librarian (Half-Time Permanent Position), H.T. Coutts (Education) Library

The University of Alberta invites applications for an Assistant Curriculum Librarian for the Curriculum Library. Duties will include the provision of reference service, library instruction, collection development, and liaison with faculty.

The successful candidate will have a degree in Library Science from an accredited institution and a professional degree or its equivalent in Education. A background in teaching and a knowledge of the Alberta School Curriculum are essential. Experience in a school or curriculum library will be an asset. This is a permanent half-time position which will be filled at the Librarian I-II level, with a minimum salary of \$26,564 (prorated). Starting date will be 1 July 1988.

Candidates should send a current *curriculum vitae*, transcripts of academic record and the names of three references to John Teskey, Personnel Officer, Cameron Library, University of Alberta, Edmonton, Alberta T6G 2J8.

Closing date for applications is 13 May 1988.

Administrative/Professional Officer, Department of Elementary Education

The Department of Elementary Education invites applications for the position of Administrative/Professional Officer. The department is a teaching and research unit within the Faculty of Education.

Reporting directly to the Chairman, the Administrative/Professional Officer is accountable for the efficient business management of the department, including budget, personnel management, space, timetabling and student registration, and acts as resource person on administrative matters. The Administrative/Professional Officer acts as secretary to the departmental committees.

This position currently has a salary range of \$27,441 to \$41,169 per annum.

The date of appointment will be 1 July 1988. The deadline for receipt of applications is 31 May 1988.

Applications, including *curriculum vitae* and the names of three referees, should be forwarded to: Ms. Sharon I. Jamieson, Executive Assistant to the Dean, Faculty of Education, University of Alberta, 845 Education South, Edmonton, Alberta T6G 2G5.

Support Staff

To obtain further information on the following positions, please contact Personnel Services and Staff Relations, 2-40 Assiniboia Hall, telephone 432-5201. Due to publication lead time and the fact that positions are filled on an ongoing basis, these vacancies cannot be guaranteed beyond 22 April. For a more up-to-date listing, please consult the weekly *Employment Opportunities Bulletin* and/or the postings in PSSR.

Clerk Steno II (Trust/term to 31 March 1989), Physical Education and Sport Studies (Fitness Unit), (\$1,263-\$1,568)

Clerk Steno II, Philosophy, (\$1,263-\$1,568)

Clerk Typist III, Psychology, (\$1,263-\$1,568)

Clerk Steno III, Faculty of Business, (\$1,407-\$1,767)

Clerk Steno III, Dean of Education, (\$1,407-\$1,767)

Clerk Steno III Faculty of Extension (Business and Professional Area), (\$1,407-\$1,767)

Clerk Steno III, Physiology (\$1,407-\$1,767)

Clerk Steno III (3/4-Time, Trust), Medicine, (\$1,055-\$1,325) (prorated)

Programmable Typewriter Operator II (Term for 6 months), Materials Management (\$1,407-\$1,767)

Programmable Typewriter Operator II (Term for 6 months), Pension and Benefits, (\$1,407-\$1,767)

Medical Steno, Medicine (Endocrinology), (\$1,568-\$2,003)

Medical Steno, Medicine, (Gastroenterology), (\$1,568-\$2,003)

Medical Steno (Trust), Medicine (Palliative Care) (\$1,568-\$2,003)

Administrative Clerk, Housing and Food Services, (\$1,568-\$2,003)

Secretary, Faculty of Nursing, (\$1,568-\$2,003)

Dental Assistant II (Recurring term), Dean of Dentistry, (\$1,512-\$1,920)

Technician I (Trust), Dermatology and Cutaneous Sciences, (\$1,627-\$2,088)

Technician I (Trust/Term), Medicine, (\$1,627-\$2,088)

Technician II (Term), Art and Design, (\$1,845-\$2,479)

Technician II (Trust), Pediatrics, (\$1,845-\$2,373)

Technologist I (Trust), Animal Science, (\$2,003-\$2,585)

Administrative Assistant I (Residence Coordinator), Housing and Food Services, (\$2,003-\$2,585)

Administrative Assistant I (Benefits Coordinator), Pension and Benefits Administration, (\$2,003-\$2,585)

Nurse, University Health Service, (\$2,088-\$2,703)

Specialist Technician, Medicine and Dentistry (\$2,823-\$3,686)

For vacant Library positions, telephone 432-3339.

boreal and parkland, winterized cabin, naturalist's ideal. 433-6687.

Sale - Riverbend. Unique, custom-built home with Mediterranean flavor near ravine. Panoramic view from second-storey balcony. Five bedrooms, oak floors in living, dining room. Ann Dawrant, Spencer Realty, 436-5250.

Sale - Impressive, contemporary home, 3,500 sq. ft. with a fantastic kitchen, triple garage. Energy efficient construction. Perfect home for executive entertaining. River valley view. Ann Dawrant, Spencer Realty, 436-5250.

Sale - Lake-front cabin on Lake Isle. \$44,900. Phone Wally Hawreluk at Re/Max Realty, 962-8580.

Rent - House with suite, two blocks to campus. Peter, 439-0714.

Rent - Three-bedroom, two-storey, McKernan home. 1 July 1988 for one year. Walking distance to University. \$800/month. 434-6255, 467-5728.

Rent - Parkallen. \$275. One-bedroom apartment (utilities included), single, non-smoking. No pets. 437-2101.

Sale - Belgravia bungalow on quiet, tree-lined street, south-facing backyard. Double garage. Call Re/Max Realty, ask for Wolf, 469-9653.

Rent - Two-bedroom bungalow, south Garneau, 10943 80 Ave. With self-contained, one-bedroom suite. All appliances. \$740/month. Available 4 June. 432-0445.

Sale - Riverbend (Brookside), 5303 143 St. Spacious, two storeys, four bedrooms, two fireplaces, 2,800 sq. ft. plus finished basement. Three-car garage. All brick exterior. Orest Wasiuti, Canada Trust Realty, 468-2100, 435-7462.

Sale - New exclusive listing. Old Riverbend. Quiet secluded crescent, south sunny backyard. Four bedrooms, family room. Spotless. Easy access University. \$149,900. Pat von Borstel, Spencer Realty, 436-5250, 437-6540.

Rent - University Ave., south of Corbett Hall. Two-bedroom, main-floor bungalow. Appliances, washer, dryer, lovely yard, garage. \$530 including utilities. Available 1 May, minimum one year. 922-4080 evenings.

Sale - Restored, Dutch colonial. Old Garneau, three bedrooms. Hardwood floors. Two, wood-burning fireplaces. New kitchen, security system. \$189,500. Royal LePage Realty, Marilyn Hassard, (bus.) 487-6150, (res.) 433-2893.

Rent - Fully furnished house near University. \$750. Non-smokers. 1 August 1988-31 December 1988. 436-2634 evenings.

Rent - University area (Garneau). Newer, three bedrooms, bi-level. Garage, sundeck, fully furnished. Until 1 September 1988. 998-3988.

Rent - Aspen Gardens. Split-level, four bedrooms, family room, fireplace. Furniture negotiable. Fenced yard, quiet location. 20 June 1988 to 30 July 1989. \$925. Western Relocation Services Ltd. 438-1044.

Sale - Windsor Park. Custom-built, 1,366 sq. ft., three-bedroom bungalow. Large, sunny, upgraded kitchen. Lovely, south-facing backyard. Many extras. \$149,900. 433-8542.

Rent - Edmonton Westridge. Five bedrooms, living, family, dining, four bathrooms, finished basement, outdoor pool, double garage. Long term or exchange house to similar location in Montreal. Phone (403) 481-2549.

Sale - University area condominium. \$68,500. Immediate possession. Spacious, two bedrooms, well maintained. Two balconies, laundry facilities, appliances, drapes. Excellent building. 11011 86 Ave. Phone Joy Murray, NRS Realty Centre. 438-6111 today.

Advertisements

Accommodations available

Rent - Hearthstone executive condominium (Riverbend). Furnished, three bedrooms, 2 1/2 baths, air conditioning. Available May for up to 16 months. \$900. No smoking, no pets. 434-9346.

Buying or selling a condominium? Contact your southside condominium specialist. Willma Currah, Royal LePage Realty, 433-9243, 437-7480.

Private sale - Lendum, \$117,500. Spotless, four-bedroom bungalow with study. Close to University. Completely new kitchen, family room with fireplace, two baths, finished basement, double-car garage. Phone 435-0274 evenings.

Sale/rent - Attractive, three-bedroom townhouse. Appliances, fireplace. Blue Quill. 433-6719.

Rent - Three-bedroom, furnished house. 1 July-31 December. 2 1/2 baths, five appliances, double garage. Redecorated, near Southgate. \$675/month. 432-3239, 434-4472 (res.).

Rent - Deluxe, fully furnished, one-bedroom apartment, 18th floor, river view, pool, sauna, half block from campus. 15 May-31 August. 432-3633, 433-4136.

Sale - Tomahawk, 157 acres, 115 forested

Rent - 1 July 1988 to 30 June 1989. Furnished, four-bedroom house, non-smokers. Near bus, schools. \$850/month plus utilities. 438-1103. Rent - Petrolia. Three-bedroom bungalow. Furnished. Finished basement. Double garage. July-August 1988. \$650/month, \$150/week. 435-7950.

Rent - Luxury hotel room for two, near Kananaskis Golf Course. 21-27 May week, 45% off. Phone 459-3495. Rent - Parkallen. Furnished, self-contained, basement suite. Near busline(s), University. Non-smoker(s). Phone 434-1834. Rent - Three-bedroom, study leave home. Furnished, extra bedroom, bathroom in basement, smoke-free. Large, treed yard, ten-minute drive University. One year from late August. \$800/month. 432-3330, 451-2137.

Sale - Windsor Park. Upgraded bungalow. Fully developed, huge west yard. Quiet street. Chris Tenove, 433-5664, 436-5250. Spencer Realty. Sale - Large city lots. Windermere area. Some ravine. For details, call Chris Tenove, 433-5664, 436-5250. Spencer Realty. Sale - Acreage. Just one mile off Devon highway. 1,660' bungalow. Two fireplaces, south yard. Good water, perfect retreat. Chris Tenove, 433-5664, 436-5250. Spencer Realty. Sale - Lakefront, Wizard Lake. Fully furnished, cozy cottage. Fireplace. For details, call Chris Tenove, 433-5664, 436-5250. Spencer Realty. Sale - Two, 80-acre farms, north of city. Buildings on one parcel. For details, call Chris Tenove, 433-5664, 436-5250. Spencer Realty. Rent - Study leave home, furnished. Lendrum. Five bedrooms, two bathrooms. Rumpus room. Near schools. Southgate. 1-2 years from 1 July 1988. \$850/month. 434-0253, 432-5343.

Accommodations wanted

Female RN, 31 years, will house-sit starting June. 433-3820, 431-0297. May-September, 2-3-bedroom house, furnished, close to University for visiting professor. Children 12, 14. 432-5382. Visiting professor, family, dog, looking to rent house near University. Preferably Windsor Park. July-August. Call 432-2921 days.

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Books appraised, bought and sold every day of the week. Visit us at our spacious new location only minutes from campus. The Edmonton Book Store, 8530 109 St. 433-1781. Cash paid for appliances, 432-0272. Mikasa fine bone china "Just Flowers". Service for eight. Teapot, cream/sugar, salt/pepper, two vegetable bowls, gravy boat. Like new. Wedding gift. \$1,000 obo. 439-2500.

Everything for your Macintosh needs. Disks from \$1.75, 20MG hard drives \$850, 60MG \$1,249. Macintosh compatible printers \$379 and more. Great warranties, parallel 2,000. 435-0204. Ikea sofa and loveseat, cream/beige fabric, pine frame. Excellent condition. \$600 obo. 431-0025. Grumann aluminum canoe, 18'. Car-top carrier, six paddles. 434-6958. Superior steel desk; chair, four-drawer, 36" x 48". 434-6958. Giant rummage sale! Holy Trinity Anglican Church, 101 St. 84 Ave. 29 April, 6:30-9 p.m.; 30 April, 10 a.m.-12 noon. Furniture, books, clothing, household items. Wanted - Used furniture (luxurious): dining table and chairs, sofa. 481-3217 after 8 p.m.

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Blue Quill Office Services. Term papers, theses, by word processor. \$1.50 per double-spaced page. Photocopying, next-day service. 437-4356. Parkallen Playgroups open house, 5 May, 6:30-8:30 p.m. Visit our playschool. Register 3-4-year-olds

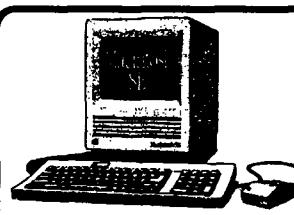
now for September. Parkallen School, 6703 112 St. Phone 437-2101 or 437-7345.

Register for English or French immersion kindergarten at McKernan. Information/registration meeting, Thursday, 5 May, 7 p.m. Meeting will also be of interest to new grade students. Information: 435-4163.

Tree and shrub pruning, yard cleanups, tree removal. Experienced, top quality, attentive work at reasonable rates. Please call Roger at Trees, Maintenance and Care. 426-6209. Elementary Education Child Centre's family garage sale. 13 May, 4-7 p.m. 14 May, 9 a.m.-4 p.m. 12924 103 Ave. Word processing, \$1.25/page. Barb, 462-8930.

There's still time to join others who have been to Turkey: Alexander, Antony and Cleopatra, St. Paul, Hannibal, Mongol Hordes, Golden Horn Tours. #611, 10136 100 St. 429-1352; after 6 p.m. 433-2064.

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Macintosh Drop-In Sessions

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UCS will be holding Macintosh drop-in sessions for all levels. These summer sessions will familiarize beginners with the Mac, help novices use it more efficiently, advise on the best use of the LaserWriter, and offer typesetting options. They will be attended by one or more analysts from UCS.

To get maximum benefit from your morning, come with a specific problem or goal. Bring something to work on and your own disks.

The following sessions are available:

4 May 0900 - 1200 in 379 CAB
11 May 0900 - 1200 in 379 CAB
18 May 0900 - 1200 in 379 CAB
25 May 0900 - 1200 in 379 CAB

There is no charge for these sessions, but you must register with the Information Clerk at 5442.

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